

**SVKM's**  
**D. J. Sanghvi College of Engineering**

**Program: B.Tech in Production Engineering**

**Academic Year: 2022**

**Duration: 3 hours**

**Date: 04.01.2023**

**Time: 10:30 am to 01:30 pm**

**Subject: Project Management (Semester VII)**

**Marks: 75**

**Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover page of the Answer Book, which is provided for their use.**

- (1) This question paper contains two pages.
- (2) **All Questions are Compulsory.**
- (3) All questions carry equal marks.
- (4) **Answer to each new question is to be started on a fresh page.**
- (5) **Figures in the brackets on the right indicate full marks.**
- (6) **Assume suitable data wherever required, but justify it.**
- (7) Draw the neat labelled diagrams, wherever necessary.

Question No.		Max. Marks
Q1 (a)	List different types of organizations in project and explain any one in detail.  <b>OR</b> Discuss the five practices of exemplary leadership.	[05]   [05]
Q1 (b)	Discuss the different project knowledge areas and its importance in project management.	[10]
Q2 (a)	What are the types of numeric and non-numeric models of project selection? Explain any one non-numeric model.  <b>OR</b> Explain Aggregate Project Plan and its importance.	[10]   [10]
Q2 (b)	Write a short note on Project Proposal.	[05]
Q3 (a)	i. Explain in detail types of Resource levelling  <b>OR</b> ii. What is a risk breakdown structure? Explain probability and impact matrix.	[07]   [07]
Q3 (b)	A project schedule has the following characteristics : Activity : 1-2 1-3 2-4 3-4 3-5 4-9 5-6 5-7 6-8 7-8 8-9 8-10 9-10 Time (days) : 4 1 1 1 6 5 4 8 1 2 1 8 7 (i) Construct the network diagram. (ii) Find the critical path and total project duration.	[08]
Q4 (a)	Write a short note on Project procurement management	[06]

	<b>OR</b>	
	A project to develop a county park has an actual cost in month 17 of ₹350,000, a planned cost of ₹475,000, and a value completed of ₹300,000. Find the cost and schedule variances and the three indexes.	[06]
Q4 (b)	Draw Earned Value chart and explain three variances and explain their significance.	[09]
Q5 (a)	Write short notes on <b><u>any two</u></b> . (i) Project audit life cycle. (ii) Ethics in projects. (iii) Explain the types of control processes. (iv) Project History.	[05] [05] [05] [05]
Q5 (b)	Describe briefly various types of project terminations	[05]

All the Best!